

Abstract

5 A method for estimating the phase in a digital communication system, comprising the steps of:

- receiving and storing a block of observations Y_k ;
- executing at least one phase locked loop (PLL) on a predetermined sequence of observations extracted from said block.

10 Each PLL provides an intermediate value, combining both intermediate values makes it possible to provide a sharpened phase estimate. The method allows realization of an improved phase estimator based on the simplicity of phase locked loops.

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